

Scientific note:

Doğu Anadolu’da *Cnephasia* (s.str.) *chrysanthearna* (Duponchel) Türünün Bulunuşu ve Biyolojisi Hakkında Notlar (*Lepidoptera*, *Tortricidae*)

by

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Summary: On the Presence and Biology of *Cnephasia* (s.str.) *chrysanthearna* (Duponchel) from East Anatolia (*Lepidoptera*, *Tortricidae*). *Cesa News* 31: 1-5, 5 figs. [in Turkish]
In this paper, additional information on the distribution and the biology of *Cnephasia* (s.str.) *chrysanthearna* (Duponchel, 1843) is given. *Inula peacockiana* (Aitch. & Hemsl.) Korovin, 1962 was determined as a new larval foodplant for this species. *Cnephasia* (s.str.) *chrysanthearna* was known in Turkey from İzmir and Kırıkkale Provinces so far. The presence of the species in Van Province is new record for the fauna. Habitat of larval food-plant, male genitalia, adult, and pupa of this species are also illustrated.

Bu kısa makalede *Cnephasia* (s.str.) *chrysanthearna* (Duponchel, 1843) türü ile ilgili yeni faunistik ve biyolojik bulgular sunulmaktadır. Bu tür Doğu Anadolu ve Van’da ilk kez tespit edilmiş böylece Türkiye’den bilinen vilayet sayısı 3’e yükselmiştir. Bu tür daha önce İç Anadolu ve Ege Bölgesinde, İzmir ve Kırıkkale illerinden bilinmekteydi (Koçak & Kemal, 2006; Koçak & Kemal, 2007).

Cnephasia (s.str.) *chrysanthearna*’nın larvasının üzerinde doğal olarak beslenip geliştiği *Inula peacockiana* bitkisi (Şekil 1,2) günümüze kadar bilinmemekteydi. Yazarlar, Van vilayetine bağlı Canik Köyünün 1 km batısındaki dağ stebinde yürüttükleri arazi çalışmaları sırasında 7.6.2008 tarihinde *Inula peacockiana* bitkisinin yaprakları arasında iki pupa tespit etmişlerdir (Şekil 3). Pupalara Entomoloji Araştırma Laboratuvarında takibe alınmış ve gelişimleri gözlenmiştir. Pupalardan 8 gün sonunda 15.06.2008’de ergin bireyler çıkmıştır. Ergin bireylerin, dış görünüşleri (Şekil 4) ve erkek genital organlarının (Şekil 5) incelenmesi sonunda *Tortricidae* familyasının *Cnephasia* (s.str.) *chrysanthearna* türüne ait oldukları anlaşılmıştır.

***Cnephasia* Curtis, 1826**

Cnephasia Curtis, 1826, Br. Ent., 3, expl. pl. 100. Tip tür: *Tortrix logiana* Haworth, [1811].

***Cnephasia (s.str.) chrysanthæana* (Duponchel, 1843)**

Sciaphila chrysanthæana Duponchel, 1843, Hist. Nat. Lépid. Papillons Fr., Suppl., 4: 410, pl. 83, fig. 5.

Dünyadaki Yayılışı: Batı Avrupa'da Iberik Yarımadası'ndan doğuda Orta Doğu ülkeleri, Anadolu, Kafkasya, Kuzey Avrupa'da Slovakya ve Ukrayna.

Türkiyedeki Yayılışı: İzmir, Kırıkkale; Van (yeni kayıt).

Larva Besin Bitkileri: *Cnephasia (s.str.) chrysanthæana*'nın literatürde bilinen larva besin bitkileri *Latyrus* (Fabaceae), *Scabiosa* (Dipsacaceae), *Artemisia*, *Chrysanthemum*, *Cirsium*, *Carlina*, *Centaurea*, *Taraxacum* (Asteraceae), *Pulmonaria* (Boraginaceae) ve *Eryngium* (Apiaceae)'dir (Razowski, 2001). *Inula peacockiana* ilk defa bu çalışmada besin bitkisi olarak kaydedilmektedir.

İncelenen Materyal: 1♂1♀: Van, Canik köyünün 1km batısı, 15.6.2008.

Inula peacockiana, Türkiye'nin doğusunda Van ve Hakkari vilayetlerinde yayılış gösterir. Bu tür, İran-Turan fito-coğrafik bölgesinin bir elementi olup, doğuda Orta Asya'ya, Tanrı Dağları'na kadar yayılır (Grierson, 1975).



Şekil 1. *Cnephasia (s.str.) chrysanthæana*'nın habitatu (S. M. Pınar).



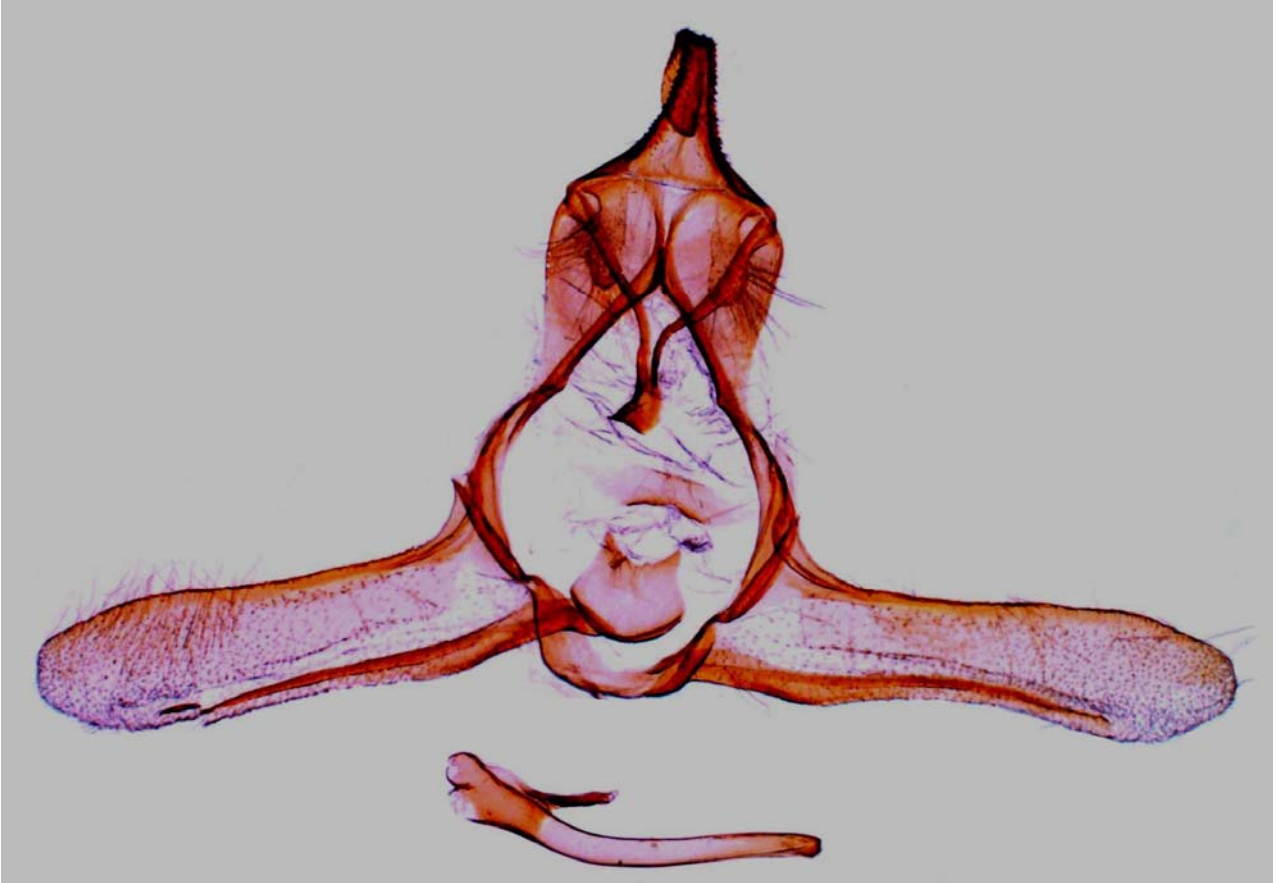
Şekil 2. *Inula peacockiana* (Aitch. & Hemsl.) Korovin, 1962 (S. M. Pınar).



Şekil 3. *Cnephasia (s.str.) chrysanthæana* pupası (yandan görünüş) (H.Özko).



Şekil 4. *Cnephasia (s.str.) chrysanthheana*'ya ergin birey (H. Özkol).



Şekil 5. *Cnephasia (s.str.) chrysanthheana*'nın erkek genital organı (H. Özkol)

Kaynaklar

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- Savela, M., 2005.** *Lepidoptera* and some other life forms.
<http://www.funet.fi/pub/sci/bio/life/intro.html>.

Announcement of the New Publications of the Cesa

Within the frame of the Cesa Projects, entitled “*Entomofauna of Turkey (ET)* and *Entomofauna of Old World (EOW)* (see below), the following articles were published in the Cesa Serial, *Miscellaneous Papers*, Numbers 143 & 144. The articles and their abstracts are as follows:

Koçak, A.Ö. & Y. Hüseyinoğlu, 2008, Nomenclatural notes on the genus group names in the order *Diptera* (*Tabanidae*, *Sciaridae*). *Cent. ent. Stud., Misc. Pap.* 143: 1-2 [date of publication: 15.10.2008].

Abstract: This short note deals with the nomenclature of some genus group names of the two families *Tabanidae* and *Sciaridae* (*Diptera*) from Australia, Papua New Guinea, Solomon Islands, and Central America. Due to the homonymy, following replacement names are proposed: *Cesabasis* (**nom. nov.**) (*Tabanidae*), *Zuhalia* (**nom. nov.**), *Mohriga* (**nom. nov.**), and *Cesathrix* (**nom. nov.**) (*Sciaridae*). Necessary new combinations are as follows: *Cesabasis postica* (Wiedemann, 1828) (**comb. nov.**), *Cesabasis anomala* (Mackerras & Rageau, 1958) (**comb. nov.**), *Cesabasis melliccallosa* (Mackerras & Rageau, 1958) (**comb. nov.**), *Epidapus* (*Zuhalia*) *longicubitalis* Mohrig, 2004 (**comb. nov.**), *Epidapus* (*Zuhalia*) *pellitus* Mohrig, 2004 (**comb. nov.**), *Epidapus* (*Zuhalia*) *primus* Mohrig, 2004 (**comb. nov.**), *Epidapus* (*Zuhalia*) *quinespinus* Mohrig, 2004 (**comb. nov.**), *Odontosciara* (*Mohriga*) *grandis* Mohrig, 2003 (**comb. nov.**), *Cesathrix capillosa* (Mohrig, 2003) (**comb. nov.**), *Cesathrix piliata* (Mohrig, 2003) (**comb. nov.**).

Koçak, A.Ö. & M. Kemal, 2008, Nomenclatural notes on the genus group names in the order *Hymenoptera* (*Chalcidoidea*). *Cent. ent. Stud., Misc. Pap.* 143: 3-7 [date of publication: 15.10.2008].

Abstract: This short note deals with the nomenclature of some genus group names of the families *Agaonidae*, *Chalcididae*, *Pteromalidae*, *Encyrtidae*, *Eucharitidae*, and *Eulophidae* in the superfamily *Chalcidoidea* (*Hymenoptera*) from South America to North America, Europe and South East Asia. Due to the homonymy, following 12 replacement names are proposed: *Bouceka* **nom. nov.**, *Muhabbetella* **nom. nov.**, *Canada* **nom. nov.**, *Doganlaria* **nom. nov.**, *Yusufia* **nom. nov.**, *Australicesa* **nom. nov.**, *Queenslandia* **nom. nov.**, *Guinea* **nom. nov.**, *Ezgia* **nom. nov.**, *Vivamexico* **nom. nov.**, *Latina* **nom. nov.**, *Pradeshia* **nom. nov.**. Necessary new combinations are as follows: *Bouceka percaudata* (Bouceck, 1988) (**comb. n.**), *Muhabbetella achterbergi* (Narendran, 1987) (**comb. n.**), *Muhabbetella acutiscutella* (Liu, 1995) (**comb. n.**), *Muhabbetella elegans* (Bouceck, 1988) (**comb. n.**), *Muhabbetella exigera* (Bouceck, 1988) (**comb. n.**), *Muhabbetella leptepipygia* (Liu, 1995) (**comb. n.**), *Canada gracilis* (Bouceck, 1993) (**comb. n.**), *Doganlaria daphne* (Girault, 1917) (**comb. n.**), *Yusufia acerina* (Bouceck, 1972) (**comb. n.**), *Australicesa kohouti* (Bouceck, 1988) (**comb. n.**), *Queenslandia blackburni* (Girault, 1928) (**comb. n.**), *Guinea kukensis* (Bouceck, 1988) (**comb. n.**), *Ezgia stylifera* (Bouceck, 1988) (**comb. n.**), *Vivamexico tamaulipeca* (Trjapitzin & Myartseva, 2004) (**comb. n.**), *Latina bonariensis* (Gemignani, 1947) (**comb. n.**), *Latina guriiana* (Heraty, 2002) (**comb. n.**), *Latina rugosa* (Torrens, Heraty & Fidalgo, 2007) (**comb. n.**), *Latina vianai* (Gemignani, 1947) (**comb. n.**), *Pradeshia indica* (Jaikishan Singh & Khan, 1997) (**comb. n.**).

Scientific Note – 1. A replacement name for a preoccupied subspecies in Asiatic *Lycaenidae* (*Lepidoptera*) by Ahmet Ömer Koçak & Muhabbet Kemal [date of publication: 15.10.2008]:

In recent years, a subspecies in the genus *Polyommatus* was described by Dantchenko with the name combination “*Polyommatus (Agrodiaetus) zarathustra neglectus*” subspec. nov.¹ from Transcaucasus, Armenia, Zangezur Range,

¹ Dantchenko, A., 2000, *Neue ent. Nachr.* 48: 69-72, figs.

Megry distr. This subspecies was transferred later to valid subspecies of the species *Agrodiaetus arasbarani* Carbonell.² The name of the subspecies “*neglectus*” cannot be used as valid name of the taxon under the homonymy rules of the ICZN (1999), as it is junior primary homonym of *Polyommatus neglectus* Stradomsky & Arzanov, 1999 described from Russia.³ Therefore, we propose here a replacement name for *neglectus* Dantchenko, 2000 (nec Stradomsky & Arzanov, 1999) with the following name combination: ***Polyommatus* (s.str. (*Agrodiaetus*)) *arasbarani* ssp. *ihmal* (nom. nov.)**.

Scientific Note – 2. On the nomenclature of the name *Neotrimorus* in India (*Scelionidae*) (*Hymenoptera*) by Ahmet Ömer Koçak & Muhabbet Kemal [date of publication: 15.10.2008]:

Within the frame of the Cesa projects on the biodiversity of the World⁴, the following subgenus name in the superfamily *Platygastridae* is evaluated from the nomenclatural standpoint. *Neotrimorus* was described by Rajmohana & Narendran in 1997 as a subgenus of the genus *Trimorus* Förster based upon the species *N. scutellospinosus* Rajmohana & Narendran, 1997 and *N. spinostriatus* Rajmohana & Narendran, 1997 from India. Key and diagnostic characters of the newly established name *Neotrimorus* were given by the authors. However, no type-species was selected originally; therefore the name, *Neotrimorus*, unavailable under the current ICZN (1999). Rajmohana (2006) placed the name *Neotrimorus* as a valid subgenus name erroneously. We propose here an other name, *Narendranina* (subgen.n.) using the diagnostic characters proposed by Rajmohana & Narendran, 1997 for *Neotrimorus*. Name of the subgenus is dedicated to the senior original author, Dr. T. C. Narendran, Emeritus Professor, Department of Zoology, University Calicut, Kerala, India. - ***Narendranina* (subgen.n.)** – Diagnostic characters: *Body black. Eyes finely pubescent. Antenna 14 segmented in males; flagellar segments elongate. In females, antenna 12 segmented with a distinct club. Head with median dorsal ridge extending between mid upper margin of antennal scrobe and front ocellus. Fan like rugulae radiating from lateral corners of clypeus and becoming longitudinal in frontal area. MSC finely punctate. SCL with a median dorsal stout blunt spine. Metanotum with a sharp curved pointed spine. Propodeum highly sculptured and with lateral pointed teeth. Anterior abdominal tergites with pronounced striations.* Type-species: *Neotrimorus scutellospinosus* Rajmohana & Narendran, 1997.

Koçak, A.Ö. & M. Kemal, 2008, Nomenclatural notes on some genus-group names in the order *Diptera*. *Cent. ent. Stud., Misc. Pap.* 144: 1-3 [date of publication: 22.10.2008].

Abstract: This nomenclatural notes deal with the homonymy of some genus-group names of the dipteran families, *Chironomidae*, *Sarcophagidae*, *Asilidae* and *Vermilionidae*. The proposed replacement names are: *Pamirocesa* (nom. nov.), *Chironozorina* (nom. nov.), *Chironocesa* (nom. nov.), *Colombicesa* (nom. nov.), *Vervesia* (nom. nov.), *Lehreria* (nom. nov.), *Pacificocesa* (nom. nov.), *Namaqualandia* (nom. nov.). Necessary new combinations are as follows: *Pamirocesa ariadnae* (Shilova, 2001) (comb.n.), *Cryptochironomus* (*Chironozorina*) *dilatatus* (Zorina, 2000) (comb.n.), *Chironocesa antiqua* (Brundin, 1966) (comb.n.), *Chironocesa gelida* (Brundin, 1966) (comb.n.), *Chironocesa valdesiana* (Brundin, 1966) (comb.n.), *Colombicesa elaborata* (Hall, 1933) (comb.n.), *Lehreria keiseri* (Zumpt, 1964) (comb.n.), *Brachyrhopala* (*Pacificocesa*) *anomala* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *antennata* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *atra* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *bicolor* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *brunnea* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *grandis* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *inopina* (Walker, 1858) (comb.n.), *Brachyrhopala* (*Pacificocesa*) *melaena* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *mutabilis* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *semifilata* (Walker, 1861) (comb.n.), *Brachyrhopala* (*Pacificocesa*) *indecora* (Walker, 1865) (comb.n.), *Brachyrhopala* (*Pacificocesa*) *soluta* (Walker, 1861) (comb.n.), *Brachyrhopala* (*Pacificocesa*) *soluta* ssp. *solomonis* Clements, 2000 (comb.n.), *Brachyrhopala* (*Pacificocesa*) *soluta* ssp. *soluta* s. str. (comb.n.), *Brachyrhopala* (*Pacificocesa*) *unifasciata* Clements, 2000 (comb.n.), *Namaqualandia manselli* (Stuckenberg, 2000) (comb.n.).

Key words: *Diptera*, *Chironomidae*, *Sarcophagidae*, *Asilidae*, *Vermilionidae*, nomenclature, Pamir, Russia, Colombia, Madagascar, Australia, Papua New Guinea, Solomon Islands, South Africa.

Koçak, A.Ö. & M. Kemal, 2008, *Cesachile* nom. nov., a replacement name in the classis *Chilopoda* from Chile. *Cent. ent. Stud., Misc. Pap.* 144: 3-4 [date of publication: 22.10.2008].

Abstract: This short article deals with the nomenclature of the pre-occupied genus name *Araucania* Chamberlin in the family *Linotaeniidae* (*Chilopoda*) from Chile. The proposed replacement names is *Cesachile* nom. nov. with the necessary combination *Cesachile araucanensis* (Silvestri, 1899) (comb.n.).

Key words: *Linotaeniidae*, *Chilopoda*, nomenclature, Chile

Koçak, A.Ö. & M. Kemal, 2008, *Cercopicesa* nom. nov., a replacement name in the family *Cercopidae* from Australia (*Homoptera*). *Cent. ent. Stud., Misc. Pap.* 144: 4 [date of publication: 22.10.2008].

² Kandul, N.P. et al., 2004, *Syst. Biol.* 53 (2): 278-298.

³ Stradomsky & Arzanov, 1999, *Kharkov ent. Soc. Gaz.* 7 (2): 17-21.

⁴ Nomenclatural information is based upon the info-system of the Cesa: <http://www.cesa-tr.org/Infos.htm>

Abstract: This short article deals with the nomenclature of the pre-occupied genus name *Tonnoiria* Lallemand in the family *Cercopidae* (*Homoptera*) from Australia and Tasmania. The proposed replacement name is *Cercopicesa* **nom. nov.** with the necessary combinations *Cercopicesa tasmaniae* (Lallemand,1954) (**comb. n.**), and *Cercopicesa chinai* (Hacker,1926) (**comb. n.**).

Key words: *Cercopidae*, *Homoptera*, nomenclature, Australia, Tasmania.

Koçak,A.Ö. & M.Kemal,2008, Nomenclatural notes on the genus-group names in the order *Coleoptera*. *Cent. ent. Stud., Misc. Pap.* 144: 5 [date of publication: 22.10.2008].

Abstract: This short article deals with the nomenclature of the pre-occupied generic names in the families *Scarabaeidae* and *Elateridae* in the order *Coleoptera* from Mexico and Nepal respectively. The proposed replacement names are *Cesamexico* **nom. nov.** (*Scarabaeidae*), and *Platigudenzia* **nom. nov.** (*Elateridae*). The necessary combinations are as follows: *Cesamexico constricticollis* (Bates,1889) (**comb.n.**), *Platigudenzia unicus* (Platia & Gudenzi,2000) (**comb.n.**).

Key words: *Scarabaeidae*, *Elateridae*, *Coleoptera*, nomenclature, Mexico, Nepal.

Koçak,A.Ö. & M.Kemal,2008, Nomenclatural notes on the genus-group names in the families *Braconidae* and *Ichneumonidae* (*Hymenoptera*). *Cent. ent. Stud., Misc. Pap.* 144: 6 [date of publication: 22.10.2008].

Abstract: This short article deals with the nomenclature of the pre-occupied generic names in the families *Braconidae* and *Ichneumonidae* in the order *Hymenoptera* from South America, and Madagascar respectively. The proposed replacement names are *Bracocesa* **nom. nov.** (*Braconidae*), and *Madagascesa* **nom. nov.** (*Ichneumonidae*). The necessary combinations are as follows: *Bracocesa maculipennis* (Marsh,1993) (**comb.n.**), *Bracocesa penai* (Marsh,1993) (**comb.n.**), *Madagascesa nigrifacies* (Seyrig,1952) (**comb.n.**).

Key words: *Braconidae*, *Ichneumonidae*, *Hymenoptera*, nomenclature, South America, Colombia, Madagascar

Koçak,A.Ö., Hüseyinoğlu,Y. & M.Kemal,2008, Further notes on the nomenclature of the genus group names in the superfamily *Chacidoidea* (*Hymenoptera*). *Cent. ent. Stud., Misc. Pap.* 144: 7 [date of publication: 22.10.2008].

Abstract: In this short article the nomenclatural status of the pre-occupied generic names in the families *Pteromalidae*, and *Mymaridae* in the order *Hymenoptera* are evaluated. Two replacement names, *Hedqvistina* **nom. nov.**, and *Africesa* **nom. nov.** are proposed. One genus name, *Baburia* Hedqvist, 2004 is declared as junior homonym for the first time (**hom.n.**). Necessary combinations are as follows: *Hedqvistina saetosa* (Hedqvist,1969) (**comb.n.**), *Africesa punctulata* (Hedqvist,1969) (**comb.n.**).

Key words: *Pteromalidae*, *Mymaridae*, *Chalcidoidea*, *Hymenoptera*, nomenclature, South Africa, India, Sri Lanka.

Scientific Note - Synonymy in the family Mantidae (Dictyoptera) by Ahmet Ömer Koçak
Colombiella Koçak & Kemal, 2008 [5 May], *Misc. Pap.* 141: 6, proposed a replacement name for *Rehniella* Lombardo,1999 nec Hebard,1928. Range: Colombia. The name was given to the native country of the taxon.
= *Lombardoa* Özdikmen,2008 [30 June], *Munis ent. Zool.* 3 (2): 765, proposed a replacement name for *Rehniella* Lombardo,1999 nec Hebard,1928 (**syn.n.**).

From *Cent. ent. Stud., Misc. Pap.* 144: 7-8, [date of publication: 22.10.2008].

Announcement of the New Projects by the Cesa

The following research projects of the Cesa were announced in early September 2008 ⁵
Further information on this subject are given below:

Entomofauna of Turkey (ET)

Entomofauna of Turkey (ET) is a faunistical Project of the 24 pterygot orders, based upon the Info-System of the Cesa. Info-System of the Cesa possesses mainly Library and Reference Collection of Insecta. The articles of the following native researchers and those of foreigners are the basic

⁵ <http://www.cesa-tr.org/Cesaprojects.htm>

literary sources of the Project (ET), to be used. Faunistical results based upon the insect materials of the Cesa collection will be published at irregular intervals.

The Project (ET) is currently supported by the Cesa only. The Editors, authors and co-authors are mentioned below. Temporary results and the News about the Project will be published in the related serials of the Cesa at irregular intervals.

Editors: **Ahmet Ömer Koçak , Muhabbet Kemal** & Contributors: **Halil Özkol, Lokman Kayci, Kesran Akın, Melek Aydın, Erdem Seven, Ahmet Güngen, and Deniz Geçer.**

Entomofauna of Old World (EOW)

Entomofauna of Asia (EOW) is also a faunistical Project of some pterygot orders, based upon the Info-System of the Cesa. Info-System of the Cesa possesses mainly Library and Reference Collection of Insecta. The articles of the following native researchers and those of foreigners are the basic literary sources of the Project (EOW), to be used. Faunistical results based upon the insect materials of the Cesa collection will be published at irregular intervals.

The Project (EOW) is currently supported by the Cesa only. The Editors, authors and contributors are mentioned below. Temporary results and the News about the Project will be published in the related serials of the Cesa at irregular intervals. The authors interested in the following insect orders specially: *Lepidoptera, Orthoptera, Neuroptera, Homoptera, Diptera, Coleoptera, and Hymenoptera.*

Editors: **Ahmet Ömer Koçak , Muhabbet Kemal** & Contributors: **Halil Özkol, Lokman Kayci, Kesran Akın, Melek Aydın, Erdem Seven, Ahmet Güngen, and Deniz Geçer.**



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⁶ <http://www.cesa-tr.org/Pri.htm> - pdf available after corresponding

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¹⁰ <http://www.cesa-tr.org/Icon.htm>

¹¹ http://www.metafro.be/Members/Cesa/internet_sayfas305/base_view - pdf available

¹² <http://www.cesa-tr.org/Cesanews.htm> pdf available

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